

CAF



PATENT

Atty. Docket No.: 29250-000492/US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/846,200
Filing Date: May 2, 2001
Appellant: Gregory CIURPITA et al.
Group Art Unit: 2665
Examiner: J. Wozniak
Title: METHOD AND APPARATUS FOR AUTOMATIC
RECOGNITION OF LONG SEQUENCES OF
SPOKEN DIGITS
Conf No: 4515

RESPONSE TO NOTIFICATION OF NON-COMPLIANT APPEAL BRIEF

U.S. Patent and Trademark Office
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22313-1450
Mail Stop Appeal Brief-Patents

November 13, 2006

Dear Sir:

In response to the Notice mailed October 13, 2006, and as a supplement to the Appeal Brief filed March 6, 2006, Appellants submit the following remarks.

(5) SUMMARY OF CLAIMED SUBJECT MATTER:

Example embodiments relate to a method and system for an automatic speech recognition system 100. As illustrated in FIGS. 2 and 3, the speech recognition system 100 may include a receiver 125 for receiving at least a current subgroup of speech units that form part of a complete speech sequence that is to be input by a user, the complete speech sequence being embodied as at least one of a word and a password comprised of a plurality of alphanumeric characters, the subgroup being one or more alphanumeric characters of the complete speech sequence; a detector 300 for detecting a natural pause after receiving the alphanumeric characters; a speech recognition unit 123 for detecting a natural pause between input subgroups to output a recognition result representative of the current subgroup such that a pause between two alphanumeric characters in a given subgroup or a pause between one alphanumeric character and a subgroup are detected; and a controller 135 for evaluating the output recognition result and feeding back the recognition result to the user, wherein the recognition result is interrupted by the user prior to being fed back for verification.¹

By such configuration, the system attempts to provide feedback after each subgroup by repeating the recognition results, allowing the user to correct the results if erroneous. Additionally, the system may take advantage of an observation that a user not only naturally speaks slower when errors in recognition occur, but will also naturally speak in smaller groups of speech units as repeated errors in speech verification occur.²

Moreover, regardless of the number of subgroups or utterances, all recognition results may be confirmed (e.g., after being fed back to the user, all recognition results are assumed to be confirmed unless explicitly rejected by the user; such as through a negative command like "no" for example). Accordingly, results that have already been confirmed can still be rejected, simply by repeated rejections. Further, even if the initial bad results are not rejected by the user, and subsequent errors are added thereto, the system provides the user the ability to skip

¹ Appellants' specification, paragraphs [0051] – [0065].

² Appellants' specification, paragraph [0008].

back (i.e., to previous, previous-previous subgroup, etc.) where necessary to correct mistakes.³

CONCLUSION

For all the reasons set forth above, Appellants respectfully request that this Appeal be granted by the panel and that the Examiner be reversed.


In the event that any matters remain at issue in the application, the Examiner is invited to contact the undersigned at (703) 668-8000 in the Northern Virginia area, for the purpose of a telephonic interview.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

HARNESS, DICKEY, & PIERCE, P.L.C.

By



Gary D. Yacura, Reg. No. 35,416
P.O. Box 8910
Reston, Virginia 20195
(703) 668-8000

GDY/MJL/DJC

³ Appellants' specification, paragraph [0029].



Please type a plus sign (+) inside this box → +

**TRANSMITTAL
FORM**

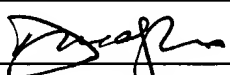
(to be used for all correspondence after initial filing)

Application Number	09/846,200
Filing Date	May 2, 2001
Inventor(s)	Gregory CIURPITA et al.
Group Art Unit	2665
Examiner Name	James S. Wozniak
Attorney Docket Number	29250-000492/US

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Letter to the Official Draftsperson and _____ Sheets of Formal Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> LETTER SUBMITTING APPEAL BRIEF AND APPEAL BRIEF (w/clean version of pending claims) <input type="checkbox"/> Appeal Communication to Group (Notice of Appeal, <u>Brief</u> , Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Response to Notification of Non-Compliant Appeal Brief			
<table><tr><td>Remarks</td><td rowspan="2">Mail Stop <u>Appeal-Brief</u></td></tr><tr><td></td></tr></table>			Remarks	Mail Stop <u>Appeal-Brief</u>	
Remarks	Mail Stop <u>Appeal-Brief</u>				

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name Gary D. Yacura	Reg. No. 35,416
Signature	 Kg 48078		
Date	November 13, 2006		